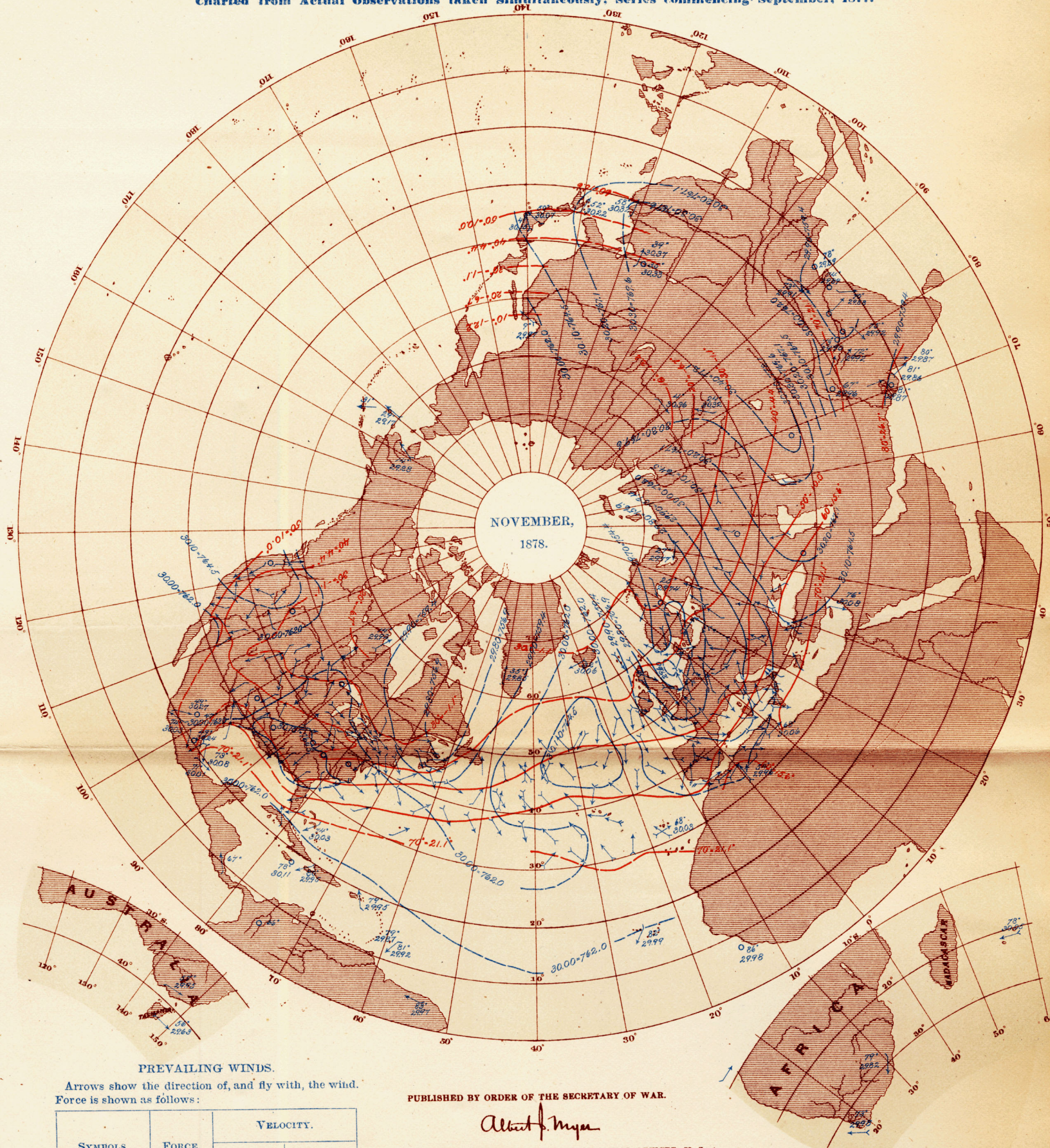


## Office of the Chief Signal Officer,

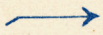
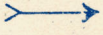
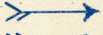
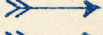
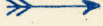
UNITED STATES ARMY.

Charted from Actual Observations taken Simultaneously. Series commencing September, 1877.

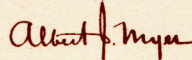


## PREVAILING WINDS.

Arrows show the direction of, and fly with, the wind.  
Force is shown as follows:

SYMBOLS.	FORCE.	VELOCITY.	
		Miles per hour.	Metres per second.
	1, 2	0 to 9	0 to 4.0
	3, 4	9.1 to 22.5	4.1 to 10.1
	5, 6	22.6 to 40.5	10.1 to 18.1
	7, 8	40.6 to 67.5	18.1 to 30.2
	9, 10	67.6 up.	30.2 & over.

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BRIG. GEN. (BVT. ASSG'D) CHIEF SIGNAL OFFICER, U. S. A.

## ISOBARS AND ISOTHERMS.

Isobars in blue; detached barometer means in English inches.  
Isotherms in red; detached temperature means in degrees Fahrenheit.  
Broken lines are doubtful.

## INTERNATIONAL MONTHLY CHART.

Showing mean pressure, mean temperature, mean force and prevailing direction of winds at 7:35 A. M., Washington mean time, for the month of November, 1878, based on the daily charts of the International Bulletin.